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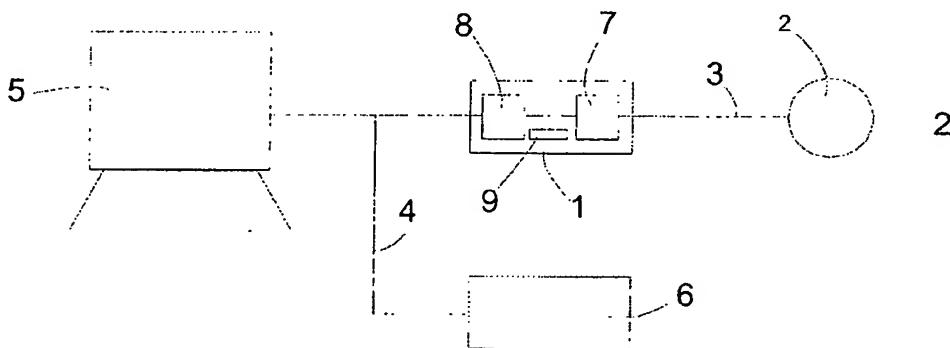
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(54) Title: DSL MODEM AND METHOD FOR ESTABLISHING A DATA TRANSFER MODE THEREFORE



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(57) Abstract: A modem (1) for interconnecting a DSL line (3) and a local bus (4) comprises a DSL interface (7) adapted to send and receive data on the DSL line (3) at a DSL bandwidth selected from a first set of bandwidths, and a local bus interface (8) adapted to operate at a local bus bandwidth selected from a second set of bandwidths so as to match the DSL bandwidth. In a first operating mode, the modem reserves as much as possible of a predetermined local bus bandwidth (MAXUSB) and then synchronizes the DSL line to a matching mode. In a second operating mode, the modem synchronizes the DSL line to a predetermined bandwidth and then reserves a matching local bus bandwidth or, if impossible, adopts a bulk transfer mode.